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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/738,443

DATE: 08/05/2004

TIME: 10:48:51

Input Set : N:\Cr3\RULE60\10738443.raw  
 Output Set: N:\CRF4\08052004\J738443.raw

1 <110> APPLICANT: Howard A. Fields  
 2 <110> APPLICANT: Yury E. Khudyakov  
 3 <120> TITLE OF INVENTION: Synthetic Peptides Immunoreactive With Hepatitis A  
 4 Virus Antibodies  
 5 <130> FILE REFERENCE: 14114.0342P1  
 6 <140> CURRENT APPLICATION NUMBER: US/10/738,443  
 7 <141> CURRENT FILING DATE: 2003-12-16  
 8 <150> PRIOR APPLICATION NUMBER: US/10/031,088  
 9 <151> PRIOR FILING DATE: 2002-01-14  
 10 <150> PRIOR APPLICATION NUMBER: PCT/US00/19267  
 11 <151> PRIOR FILING DATE: 2000-07-14  
 12 <150> PRIOR APPLICATION NUMBER: 60/144,412  
 13 <151> PRIOR FILING DATE: 1999-07-15  
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 15 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
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 19 <212> TYPE: PRT  
 20 <213> ORGANISM: Artificial Sequence  
 21 <220> FEATURE:  
 22 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic HAV  
 23 VP2 and VP4 Peptides  
 24 <400> SEQUENCE: 1  
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 25 1 5 10 15  
 27 Ile Gln Ser Val Gln  
 28 20  
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 36 VP2 and VP4 Peptides  
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 40 Ser Ser Val His Gln  
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 44 <211> LENGTH: 21  
 45 <212> TYPE: PRT  
 46 <213> ORGANISM: Artificial Sequence

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47 <220> FEATURE:  
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 64       Glu Pro Leu Arg Thr Ser Val Asp Lys Pro Gly Ser Lys Lys Thr Gln  
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 75       VP2 and VP4 Peptides  
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 77       Asp Lys Pro Gly Ser Lys Lys Thr Gln Gly Glu Lys Phe Phe Leu Ile  
 78                1               5               10               15  
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 90       Leu Tyr Asn Glu Gln Phe Ala Val Gln Gly Leu Leu Arg Tyr His Thr  
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 93                20  
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 98 <213> ORGANISM: Artificial Sequence  
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100 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic HAV  
101 VP2 and VP4 Peptides  
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103 His Thr Tyr Ala Arg Phe Gly Ile Glu Ile Gln Val Gln Ile Asn Pro  
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105 Thr Pro Phe Gln  
106 20  
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118 Pro Gly Asp Gln  
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144 Arg Phe Thr Asp Gln  
145 20  
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152 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic HAV

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Input Set : N:\Crf3\RULE60\10738443.raw  
 Output Set: N:\CRF4\08052004\J738443.raw

153        VP3 Peptide  
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 165 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic HAV  
 166        VP3 Peptide  
 167 <400> SEQUENCE: 12  
 168        Gly Gly Ile Lys Ile Thr His Phe Thr Thr Trp Thr Ser Ile Pro Thr  
 169        1                    5                    10                    15  
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 175 <212> TYPE: PRT  
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 177 <220> FEATURE:  
 178 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic HAV  
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 180 <400> SEQUENCE: 13  
 181        Gln Phe Pro Phe Asn Ala Ser Asp Ser Val Gly Gln Gln Ile Lys Val  
 182        1                    5                    10                    15  
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 184                            20  
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 188 <212> TYPE: PRT  
 189 <213> ORGANISM: Artificial Sequence  
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 191 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic HAV  
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 193 <400> SEQUENCE: 14  
 194        Phe Asn Ala Ser Asp Ser Val Gly Gln Gln Ile Lys Val Ile Pro Val  
 195        1                    5                    10                    15  
 196        Asp Pro Tyr Phe Gln  
 197                            20  
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 202 <213> ORGANISM: Artificial Sequence  
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Input Set : N:\CrF3\RULE60\10738443.raw  
Output Set: N:\CRF4\08052004\J738443.raw

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207 Ser Asp Ser Val Gly Gln Gln Ile Lys Val Ile Pro Val Asp Pro Tyr  
208 1 5 10 15  
209 Phe Phe Gln Met Gln  
210 20  
212 <210> SEQ ID NO: 16  
213 <211> LENGTH: 21  
214 <212> TYPE: PRT  
215 <213> ORGANISM: Artificial Sequence  
216 <220> FEATURE:  
217 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic H  
218 VP3 Peptide  
219 <400> SEQUENCE: 16  
220 Ile Lys Val Ile Pro Val Asp Pro Tyr Phe Phe Gln Met Thr Asn Thr  
221 1 5 10 15  
222 Asn Pro Asp Gln Gln  
223 20  
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233 Lys Cys Ile Thr Ala Leu Ala Ser Ile Cys Gln Met Phe Cys Phe Trp  
234 1 5 10 15  
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236 20  
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242 <220> FEATURE:  
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247 1 5 10 15  
248 Tyr His Ser Gly Gln  
249 20  
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255 <220> FEATURE:  
256 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic H  
257 VP3 Peptide  
258 <400> SEQUENCE: 19

**VERIFICATION SUMMARY**

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Input Set : N:\Crf3\RULE60\10738443.raw

Output Set: N:\CRF4\08052004\J738443.raw

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